SQL Evaluation (SET 4)

1. The Employee table holds all the employees in the company. Write the script to create a table with the following details:

2. Display the names and ages of all employees. [Use the Employee table]

3. Create a report showing Northwind's orders sorted by Feright from most expensive to cheapest.

4. Display the OrderID, and ShipCountry of orders to Switzerland, Venezuela and Austria.[Use the Orders table]

5. Which current products are in danger of going out of stock?(Quantity in stock is less than quantity on order)

6. Create a report that shows all companies by name that sell products in the seafood category.

7. How many products are there in each category

8. Display the names of all products in the Dairy Products, Seafood, and Beverages categories. [Use the products and Categories tables] Usin joins

C# Evaluation (SET 7)

1. Check for balanced parentheses in an expression
Given an expression string exp, write a program to examine whether the pairs and the orders of "{","}","(",")","[","]" are correct in exp. For example, the program should print true for exp = "[()]{ }{[()()]()}" and false for exp = "[(])"

2. Write a C# program to perform a selection sort in an Array of numbers.

Javascript Questions SET 4

1. What will be the output when the following code is executed?
```
console.log(false == '0');
console.log(false === '0');
```

3. What will the following code output to the console:
```
var hero = {
    _name: 'John Doe',
    getSecretIdentity: function () {
        return this._name;
    },
};
var stolenSecretIdentity = hero.getSecretIdentity;
console.log(stolenSecretIdentity());
console.log(hero.getSecretIdentity());
```

2. Consider the code snippet below. What will the console output? *
```
(function (x) {
    return (function (y) {
        console.log(x);
    })(2);
})(1);
```

4. What will be the output of this code?
```
var x = 21;
var girl = function () {
    console.log(x);
    var x = 20;
};
girl();
```

5. What will this code print?
```
for (let i = 0; i < 5; i++) {
    setTimeout(function () {
        console.log(i);
    }, i * 1000);
}
```

PROGRAMMING QUESTION:

Q1. Write a JavaScript for loop that will iterate an array which contains mix negative and positive number. For each iteration, it will check if the current number is positive or negative, and display a message to the screen.

Input: [-2, 3, 4 - 6]
Sample Output:
"-2 is negative"
"3 is positive"
"4 is positive"
"-6 is negative"

Q2. Write a JavaScript program to change the element content from "Hello world" to "Hello JavaScript" when click on the button